

# Conventional Vertical Milling Machines

## UWF 3.2



### SKU : 362695

The versatile universal milling machine complements the tried and tested UWF 3. Both models have the large work area, the universal milling head and the horizontal spindle in common. The new UWF 3.2, however, has a slightly higher speed range and an infinitely variable servomotor feed, which extends its range of application. Together with the extensive equipment, this model is also ideally suited for repair workshops as well as training and production departments.

- Universal cutter head swivels on 2 levels
- Outer arbor support for horizontal milling
- Swiveling milling table
- Servo-feed on all axes with rapid feed
- Extensive standard equipment

## TECHNICAL SPECS

### WORKING AREA

|                            |                  |
|----------------------------|------------------|
| Table set up area          | 1370 mm x 320 mm |
| Table load capacity (max.) | 260 kg           |
| Table swivel range r/l     | 45 deg           |
| Number of T-slots          | 3 positions      |
| T-slot (width x spacing)   | 14 mm x 80 mm    |

### TRAVELS

|               |         |
|---------------|---------|
| Travel X-axis | 1000 mm |
| Travel Y-axis | 360 mm  |
| Travel Z-axis | 400 mm  |

### VERTICAL MILLING HEAD

|                                            |                       |
|--------------------------------------------|-----------------------|
| Spindle speed (vertical)                   | 45 1/min - 1660 1/min |
| Spindle mount                              | SK 40 DIN 2080        |
| Throat                                     | 300 mm - 765 mm       |
| Vertical spindle-to-table surface distance | 260 mm - 660 mm       |
| Milling head swivel range                  | 360 deg               |

### RAPID FEED

|                       |             |
|-----------------------|-------------|
| Rapid feed X-/ Y-axis | 1335 mm/min |
| Rapid feed Z-axis     | 1000 mm/min |

### HORIZONTAL MILLING SPINDLE

|                                              |                       |
|----------------------------------------------|-----------------------|
| Spindle speed (horizontal)                   | 35 1/min - 1500 1/min |
| Spindle mount                                | SK 40 DIN 2080        |
| Horizontal spindle-to-table surface distance | 75 mm - 475 mm        |

### FEED

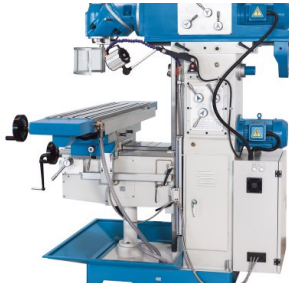
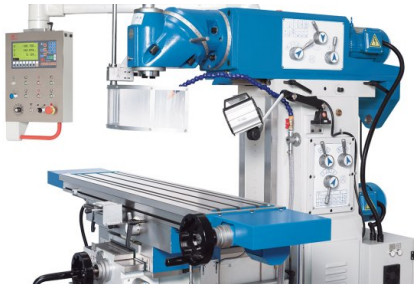
|                   |                        |
|-------------------|------------------------|
| Feed speed X-axis | 30 mm/min - 830 mm/min |
| Feed speed Y-axis | 30 mm/min - 830 mm/min |
| Feed speed Z-axis | 23 mm/min - 625 mm/min |

### DRIVE CAPACITY

|                            |      |
|----------------------------|------|
| Motor rating horiz./ vert. | 3 kW |
|----------------------------|------|

### MEASURES AND WEIGHTS

|                                              |                      |
|----------------------------------------------|----------------------|
| Overall dimensions (length x width x height) | 1.9 m x 1.75 m x 2 m |
| Weight                                       | 1950 kg              |



## PRODUCT DETAILS

- Extremely rigid machine bed made of high-strength HT-200 cast-iron with heavy ribbing
- Large rectangular guideways ensure precision and quiet operation within permissible high loads
- Precision-ground guideways with hardened surfaces for long-term accuracy and wear-resistance
- The milling table features a large setup area and can be rotated in linear direction
- Quiet, precision-made headstock gears with hardened and ground gears
- Universal cutter head swivels on 2 planes - quick change-over from horizontal to vertical machining
- By combining both swivel levels, almost any spatial angle can be set
- Standard outer arbor support with bronze plain bearings accommodates long milling arbors in the horizontal spindle
- Powerful servo-motor for infinite variation of feeds in all 3 axes
- Minimum downtime due to rapid positioning of work table and rapid feeds in all axes
- Control panel swivels for comfortable operation
- Coolant system and chip tray are included

## STANDARD EQUIPMENT

3-axis position indicator X.Pos 3.2  
 Collet chuck with collets (4,5,6,8,10,12,14,16 mm diam.)  
 Horizontal arbor Ø 27 mm  
 Outer arbor support for horizontal milling  
 Chip tray  
 Coolant system  
 Central lubrication  
 M16 draw bar  
 LED work lamp  
 Operating tools  
 Operator instructions